



**MAKE AN ARKANSAS ONE CALL
48 HOURS BEFORE YOU DIG
DIAL 1-800-482-8998**

IT SHALL BE A MEMBER'S RESPONSIBILITY TO STAY CLEAR OF ALL UNDERGROUND FACILITIES

NOTICE

THIS DRAWING ILLUSTRATES AVECC REQUIREMENTS ONLY, AND IS NOT INTENDED TO BE A COMPREHENSIVE GUIDE FOR THE INSTALLATION OF AN ELECTRICAL SERVICE. TO INSURE A SAFE, QUALITY INSTALLATION THAT COMPLIES WITH THE NATIONAL ELECTRICAL CODE, AND LOCAL CODE REQUIREMENTS; THE COOPERATIVE RECOMMENDS THAT ALL WORK BE DONE BY A QUALIFIED, LICENSED ELECTRICAL CONTRACTOR.

NOTES

1. AVECC RECOMMENDS THAT A LICENSED ELECTRICIAN INSTALLS TRANSFER SWITCH AND GENERATOR PER NEC CODE AND LOCAL ORDINANCES.
2. MANUAL TRANSFER SWITCH SHALL BE CONSTRUCTED IN A MANNER THAT DOES NOT ALLOW UTILITY POWER AND GENERATOR POWER TO BE TIED TOGETHER AT ANY GIVEN TIME.
3. MULTIPLE CIRCUIT BREAKERS/FUSED DISCONNECTS CAN BE CONNECTED AFTER THE TRANSFER SWITCH, SO LONG AS THE SUM OF THE BREAKER INTERRUPTING CURRENT OF EACH BREAKER/FUSED DISCONNECT DOES NOT EXCEED THE MANUAL TRANSFER SWITCH RATING OR THE ELECTRIC SERVICE SIZE.
4. REFER TO DRAWINGS SPEC-000001 THROUGH SPEC-000017 FOR INCOMING SERVICE REQUIREMENTS, AVECC SUPPLIED EQUIPMENT & SERVICES, MEMBER REQUIRED EQUIPMENT & SERVICES, DITCH REQUIREMENTS, ETC.
5. WHERE PANELS AND EQUIPMENT ARE NOT MOUNTED ON BUILDING STRUCTURE, REFER TO DRAWINGS SPEC-000011 & SPEC-000012 FOR RACK MATERIAL AND INSTALLATION REQUIREMENTS. ALLOW ADEQUATE ROOM ON RACK FOR ALL EQUIPMENT/PANELS NECESSARY.
6. ALL EXTERIOR PANELS ARE TO BE RATED NO LESS THAN NEMA 3R.
7. THE SERVICE ENTRANCE DISCONNECT MEANS SHALL BE INSTALLED AT A READILY ACCESSIBLE OUTDOOR LOCATION. IF MORE THAN ONE DISCONNECTING MEANS ARE PROVIDED THEY SHALL BE GROUPED PER NEC 230.85.
8. WHERE MANUAL TRANSFER SWITCH CLEARLY STATES ON A MANUFACTURER'S LABEL ATTACHED TO TRANSFER SWITCH ENCLOSURE THAT THE SWITCH HAS BOTH OVER CURRENT PROTECTION RATED FOR THE FULL LOAD ELECTRICAL SERVICE AND IS SERVICE ENTRANCE RATED, THEN SERVICE ENTRANCE RATED BREAKER/FUSED DISCONNECT AHEAD OF TRANSFER SWITCH SHOWN ABOVE IS NOT REQUIRED. OTHERWISE, SERVICE ENTRANCE BREAKER/FUSED DISCONNECT MUST BE INSTALLED PRIOR TO AVECC CONNECTING ELECTRICAL SERVICE TO METER.
9. PROTECTIVE BUSHINGS REQUIRED ON ALL CONDUITS.
10. NO WIRING GUTTERS OR TROUGHS WILL BE ALLOWED ON THE OUTSIDE OF THE BUILDING.
11. IF GROUND WIRE IS EXPOSED TO PHYSICAL DAMAGE THE WIRE SHALL BE PROTECTED IN CONDUIT PER NEC 250.64(B)(2).
12. ONLY THE COOPERATIVE'S CONDUCTORS AND MEMBERS SERVICE ENTRANCE CONDUCTORS ALLOWED IN METER BASE. METER BASE CANNOT BE USED AS A PASS THROUGH FOR OTHER CONDUCTORS. REFER TO SPEC-000004 FOR METER BASE CONDUCTOR CONNECTION DETAIL.
13. POWER SUPPLY AFTER THE MAIN DISCONNECT SHALL BE A 4 WIRE SYSTEM INCLUDING A GROUNDING WIRE AND NEUTRAL WIRE. THE SERVICE SHALL MEET ALL NEC REQUIREMENTS.



**ARKANSAS VALLEY ELECTRIC
COOPERATIVE COOPERATION**

TITLE

**400A STANDBY GENERATOR,
COMPLETE SERVICE
MANUAL TRANSFER SWITCH**

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